EN

FR

ES

XMA-T200RF

XM™ Radio/Changer System

- OWNER'S MANUAL
  Please read before using this equipment.
- MODE D'EMPLOI
  Veuillez lire avant d'utiliser cet appareil.
- MANUAL DE OPERACIÓN
  Léalo antes de utilizar este equipo.

SATELLITE RADIO

ALPINE ELECTRONICS, INC.
Tokyo office: 1-1-8 Nishi Gotanda,
Shinagawa-ku,
Tokyo 141-8501, Japan
Tel.: (03) 3494-1101

ALPINE ELECTRONICS OF AMERICA, INC.
19145 Gramercy Place, Torrance,
California 90501, U.S.A.
Tel.: 1-800-ALPINE-1 (1-800-257-4631)

ALPINE ELECTRONICS OF CANADA, INC.
7300 Warden Ave., Suite 203, Markham,
Ontario L3R 9Z6, Canada
Tel.: 1-800-ALPINE-1 (1-800-257-4631)

ALPINE ELECTRONICS OF AUSTRALIA PTY. LTD.
6-8 Fiveways Boulevarde Keysborough,
Victoria 3173, Australia
Tel.: (03) 9769-0000

ALPINE ELECTRONICS GmbH
Kreuzerkamp 7, 40878 Ratingen, Germany
Tel.: 02102-45 50

ALPINE ITALIA S.p.A.
Viale C. Colombo 8, 20090 Trezzano Sul
Naviglio (MI), Italy
Tel.: 02-48 47 81

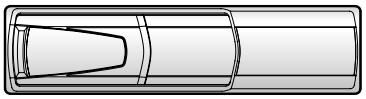
ALPINE ELECTRONICS FRANCE S.A.R.L.
(RCS PONTOISE B 338 101 280)
98, Rue de la Belle Etoile, Z.I. Paris Nord II,
B.P. 50016, 95945 Roissy Charles de Gaulle
Cedex, France
Tel.: 01-48 63 89 89

ALPINE ELECTRONICS OF U.K., LTD.
13 Tanners Drive, Blakelands, Milton Keynes
MK14 5BU, U.K.
Tel.: 01908-61 15 56

ALPINE ELECTRONICS DE ESPAÑA, S.A.
Portal de Gamarra 36, Pabellón, 32
01013 Vitoria (Alava)-APDO 133, Spain
Tel.: 945-283588

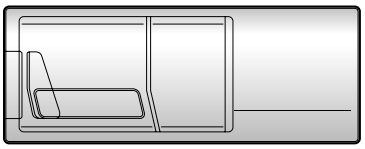
Yamagata Printing Co., Ltd.
2-6-34, Takashima, Nishi-ku, Yokohama,
Kanagawa, Japan

Designed by ALPINE Japan
Printed in Japan (Y)
68P50520Y58-O



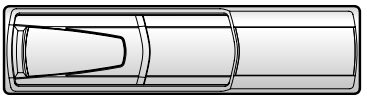
CHA-S634

- CD changer for XMA-T200RF.
- Changeur CD pour XMA-T200RF.
- Cambiador de CD para XMA-T200RF.



CHA-1214

- CD changer for XMA-T200RF.
- Changeur CD pour XMA-T200RF.
- Cambiador de CD para XMA-T200RF.



CHM-S630

Alpine CD Changers Give You More!

More musical selections, more versatility, more convenience.

The CHA-S634 is a high-performance 6-disc changer with a new M DAC, CD-R/RW PLAY BACK, MP3 PLAY BACK and CD TEXT. The CHA-1214 Ai-NET model holds 12 discs, and the CHM-S630 M-Bus model is a super-compact 6-disc changer with a CD-R/RW PLAY BACK.

Changeurs de CD Alpine : vous avez le choix!

Plus de sélections musicales, plus de souplesse, plus de confort.

Le modèle CHA-S634 est un changeur 6 disques ultra performant équipé des nouvelles fonctions M DAC, CD-R/RW PLAY BACK, MP3 PLAY BACK et CD TEXT. Le modèle CHA-1214 Ai-NET contient 12 disques. Le modèle CHM-S630 M-Bus est un changeur 6 disques super compact disposant de la fonction CD-R/RW PLAY BACK.

¡Los cambiadores Alpine de CD le ofrecen más!

Más selecciones musicales, más versatilidad y más ventajas.

CHA-S634 es un cambiador de seis discos de alto rendimiento con nuevos M DAC, CD-R/RW PLAY BACK, MP3 PLAY BACK y CD TEXT. El modelo CHA-1214 Ai-NET alberga 12 discos y el modelo CHM-S630 M-Bus es un cambiador de 6 discos de tamaño reducido con un CD-R/RW PLAY BACK.

Contents

Operating Instructions

⚠ WARNING

WARNING **2**
CAUTION **2**
PRECAUTIONS **2**

Basic Operation

Initial System Start-Up 3
Turning Power On and Off 3
Modulator Frequency Setting 3
Listen to the Radio 3

XM Radio Operation

Receiving XM Channels with the XM Receiver 4
Checking the XM Radio ID Number 4
Storing XM Channel Presets 5
Receiving Stored XM Channels 5
Category Search 5
Changing the Display 5

SETUP Operation

Scroll Setting 6
Setting the AUX Mode (V-Link) 6
Demonstration 7
Volume Level Setting of External Input (AUX LEVEL) 7
Changer Volume Level Setting (CHG LEVEL) ... 7
XM Level Setting (XM LEVEL) 7

Title/Text Operation

Displaying the Title/Text 8
Titling Discs 9
Erasing Disc Title 9

CD Changer Operation (Optional)

Controlling CD Changer 10
Music Sensor (Skip) 10
Fast Forward and Backward 10
Repeat Play 10
M.I.X. (Random Play) 11
Scanning Programs 11
Multi-Changer Selection 11

MP3 Changer Operation (Optional)

Playing MP3 Files 12
Music Sensor (Skip) 12
Fast Forward and Backward 12
Selecting Folders 12
File Search 12
Repeat Play 13
M.I.X. (Random Play) 13
Scanning Programs 13
Setting the Range of MP3 File Selection 13
Playing MP3 Data 13

Remote Control

Battery Replacement 14

Information

In Case of Difficulty 15
Specifications 17

Installation and Connections

Warning 18
Caution 18
Precautions 18
Installation 19
Connections 20

LIMITED WARRANTY

⚠ WARNING

⚠ WARNING

This symbol means important instructions. Failure to heed them can result in serious injury or death.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISE WHILE DRIVING.

Failure to do so may result in an accident.

MINIMIZE DISPLAY VIEWING WHILE DRIVING.

Viewing the display may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT DISASSEMBLE OR ALTER.

Doing so may result in an accident, fire or electric shock.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.

Failure to do so may result in fire or electric shock.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.

Use for other than its designed application may result in fire, electric shock or other injury.

⚠ CAUTION

This symbol means important instructions. Failure to heed them can result in injury or material property damage.

HALT USE IMMEDIATELY IF A PROBLEM APPEARS.

Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Center for repairing.

DO NOT MIX NEW BATTERIES WITH OLD BATTERIES. INSERT WITH THE CORRECT BATTERY POLARITY.

When inserting the batteries, be sure to observe proper polarity (+ and –) as instructed. Rupture or chemical leakage from the battery may cause fire or personal injury.

⚠ PRECAUTIONS

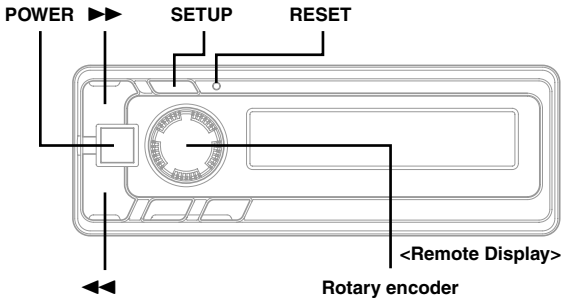
Temperature

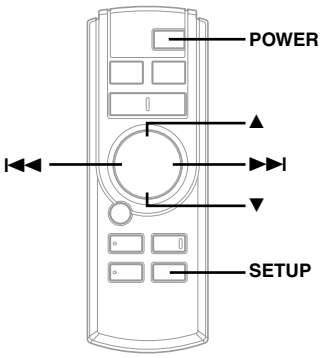
Be sure the temperature inside the vehicle is between +60°C (+140°F) and –10°C (+14°F) before turning your unit on.

Maintenance

If you have problems, do not attempt to repair the unit yourself. Return it to your Alpine dealer or the nearest Alpine Service Station for servicing.

Basic Operation





<Remote Control>

Initial System Start-Up

Be sure to press the **RESET** switch when using the unit for the first time, after installing the CD changer, etc., or after changing the car battery.

1 Make sure that the power of the unit is off.
If the power is on, press the **POWER** button to turn off the unit. (On the Remote Control, press and hold the **POWER** button for at least 2 seconds.)

2 Press the **RESET** switch with a ballpoint pen, or any other pointed object.

Turning Power On and Off

1 Press the **POWER** button of the Remote Display or the Remote Control to turn on the unit.

NOTE

The unit can be turned on by pressing any button of the Remote Display.

The volume level gradually increases to the previous level you were listening to before the unit was turned off. Press the **POWER** button on the Remote Control or press and hold the **POWER** button of the Remote Display for at least 2 seconds to turn off the unit.

NOTES

- *When turning the unit On or Off with the POWER button, be sure to lower the volume level of the factory-installed radio. This will prevent any electrical pop noises from entering the system.*
- *Once you are sure all connections are proper, you may turn the unit on.*
- *When the frequencies of this unit and the specified head unit are the same, the pop noise occurs when turning the unit on. This is not a malfunction.*

Modulator Frequency Setting

1 Press and hold the **SETUP** button of the Remote Display or the Remote Control for at least 2 seconds.

2 Turn the **rotary encoder** of the Remote Display, or press the ▲ or ▼ button of the Remote Control to enter the Frequency Setting mode (displays the frequency).

3 Press the ◀◀ or ▶▶ button of the Remote Display, or the |◀◀ or ▶▶| button of the Remote Control to set the frequency.
The Frequency is varied by 200 kHz (0.2 MHz) steps from 87.7 to 89.9 MHz.

4 Press the **SETUP** button of the Remote Display or the Remote Control to return to the Normal mode.

NOTES

- *Select a frequency that is not used by a strong, local FM station. This will prevent interference while listening to CD.*
- *To listen to an FM broadcast, turn down the volume of the radio then turn power off to the XMA-T200RF. Tune the radio to your desired station and adjust the volume to your preference.*
- *The initial setting at the factory is 88.7 MHz.*

Tips

When you connect the unit to the optional DHA-S680, set Ai-NET SETUP on the DHA-S680 to "CD-CHG." For further information about this operation, see the Owner's Manual of the DHA-S680.

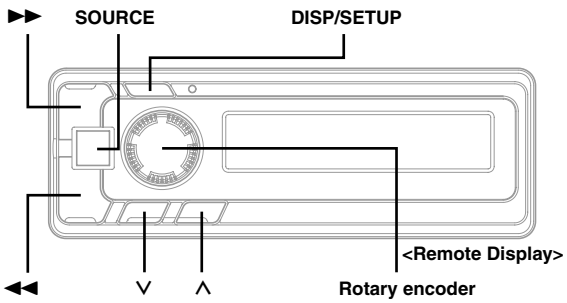
Listen to the Radio

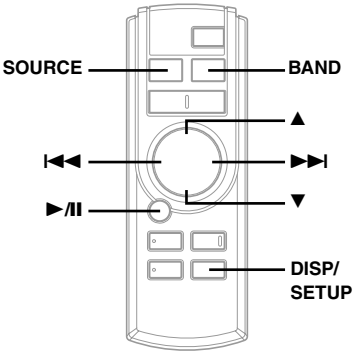
1 To listen to your factory-installed radio, turn off the Remote Display Unit or Remote Control by pressing the **POWER** button.

NOTES

- *When you set the Modulator Unit to a frequency which has no FM broadcast, your audio system may produce some harsh, interstation noises when CD playback is stopped.*
- *With the FM Modulator connected, there will be a slight loss in signal strength to the radio.*

XM Radio Operation





<Remote Control>

Receiving XM Channels with the XM Receiver

XM Satellite Radio* is the next generation of audio entertainment, with up to 100 brand-new digital channels. For a small monthly fee, subscribers can hear crystal-clear music, sports, news and talk, coast-to-coast via satellite. For more information, visit XM's website at www.xmradio.com or call 1-800-852-9696.

* XM and its corresponding logos are trademarks of XM Satellite Radio Inc.

NOTES

- *The controls on the XMA-T200RF for XM Receiver operation are operative only when an XM Receiver is connected.*
- *The XM1 or XM2 band illuminates when in XM mode.*

1 First, refer to "Modulator Frequency Setting" (page 3), and set the frequency.

2 Press the **SOURCE** button of the Remote Display or the Remote Control to select RADIO Mode.

3 Press the **BAND** button on the Remote Control to select XM1 or XM2.

4 Turn the **rotary encoder** of the Remote Display, or press the I◄◄ or ►►I button of the Remote Control to select the desired channel. Holding the ◄◄ or ►► button of the Remote Display, or holding the I◄◄ or ►►I button of the Remote Control will change channels continuously.

NOTE

You can press the ◄◄ or ►► button of the Remote Display to select the desired channel.

Checking the XM Radio ID Number

You need to provide XM with the unique XM Radio ID number for your XM Radio Receiver in order to subscribe to XM's programming.

This number is an 8 character alphanumeric number that is printed on a label directly on the XM Receiver. It can also be displayed on the screen of the XMA-T200RF in the following way.
It is displayed only when an XM Satellite Radio Receiver (TUA-T020XM) is connected.

1 While receiving XM1/XM2, turn the **rotary encoder** of the Remote Display or press the I◄◄ or ►►I button of the Remote Control to select channel "0".

NOTE

You can also press the ◄◄ or ►► button of the Remote Display to switch the channel.

2 The unit alternately displays "RADIO ID" for 2 seconds, then the ID number for 10 seconds.

3 To cancel the ID number display, set the channel to other than "0."

TIPS

There is another way to display your ID number.

1. Press and hold the **SETUP** *button of the Remote Display or the Remote Control for at least 2 seconds.*

2. Turn the **rotary encoder** *of the Remote Display, or press the ▲ or ▼ button of the Remote Control to select "RADIO ID".*

3. Press the ◄◄ or ►► button of the Remote Display, or the I◄◄ or ►►I button of the Remote Control to display your ID number.

4. After checking your ID number, press the **SETUP** *button of the Remote Display or the Remote Control to return to the normal display.*

NOTES

- *You cannot use "O," "S," " I," or "F" for the ID Number.*
- *You can check your ID number printed on the label on the package of your XMA-T200RF.*

Storing XM Channel Presets

1 Press the **BAND** button on the Remote Control to select the desired band (XM1 or XM2) you want to store.

2 After tuning in the desired channel, press and hold the **rotary encoder** of the Remote Display for at least 2 seconds until the channel name on the display blinks.

3 Turn the **rotary encoder** of the Remote Display to select the preset No. you want to use.

4 Press the **rotary encoder** of the Remote Display to store the channel while the channel name display is still blinking (within 5 seconds).
The display stops blinking once the channel has been memorized. The display shows the band, preset No. and channel name memorized.

5 Repeat the procedure to store up to 5 other channels onto the same band.
To use this procedure for other bands, simply select the band desired and repeat the procedure.
A total of 12 channels can be stored in the preset memory (6 channels for each band; XM1 and XM2).

NOTE

If you store a channel in a preset memory which already has a station, the current channel will be cleared and replaced with the new one.

Receiving Stored XM Channels

1 Press the **BAND** button on the Remote Control to select the desired band (XM1 or XM2).

2 Press the ∧ or ∨ button of the Remote Display, or the ▲ or ▼ button of the Remote Control to find the desired preset.

Category Search

Channels are divided into categories. Category Search allows you to search for a specific channel by its category. You can also do searches of all channels within a particular category.

1 In XM mode, press the **rotary encoder** of the Remote Display or the **►/II** button of the Remote Control to display the category of the channel that is currently selected for 13 seconds.

2 While the category is displayed, turn the **rotary encoder** of the Remote Display, or press the **I◄◄** or **►►I** button of the Remote Control to select a different category (or leave it to stay with the same category.)

NOTE

You can also press the ◄◄ or ►► button of the Remote Display to select a category.

3 Within 13 seconds of selecting the category, press the **rotary encoder** of the Remote Display or the **►/II** button of the Remote Control again to select the next channel within that category. Repeatedly press the **rotary encoder** of the Remote Display or the **►/II** button of the Remote Control within 13 seconds to select additional channels within that category.

When tuned in, the category is displayed for 13 seconds, then the display returns to normal mode.

NOTES

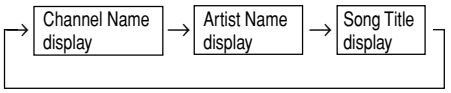
- *If you cannot find your desired category, the display shows "----" for 2 seconds automatically.*
- *To exit the category search mode, press and hold the rotary encoder of the Remote Display or the **►/II** button of Remote Control for at least 2 seconds. Alternatively, wait for 13 seconds until the receiver returns to the normal channel search mode.*

Changing the Display

Text information, such as the channel name, artist name/feature, and song/program title, is available with most XM channels. The unit can display this text information as explained below.

1 In XM mode, press the **DISP** button of the Remote Display or the Remote Control.

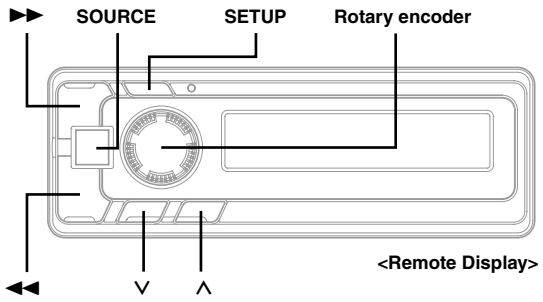
Each time you press this button, the display changes as shown below.



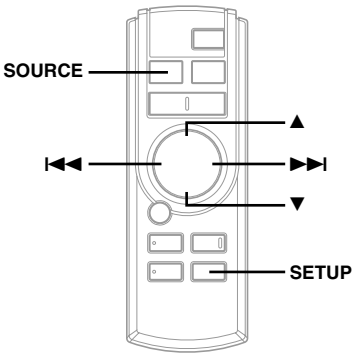
NOTES

- *Depending on the model, the display may differ from the one shown above.*
- *Press and hold the TITLE button of the Remote Control for at least 2 seconds in the "SCR OFF" setting so that the display scrolls one time only when a title exceeds 8 characters.*
- *When the "Scroll Setting" (refer to page 6) is set to "SCR ON", the display scrolls only when entering a title of more than 8 characters.*
  The display scrolls one time in the "SCR OFF" setting when a title exceeds 8 characters, and when performing the operation (Power On, Disc change, etc.).

SETUP Operation



<Remote Display>



<Remote Control>

Scroll Setting

If connected to an XM tuner, this unit can scroll the channel name, category, artist, and song title.
If connected with a CD changer, this unit can scroll the disc and track names recorded on CD-TEXT discs, as well as the text information of MP3 files, folder names, and ID3 tags.

1 Press and hold the **SETUP** button of the Remote Display or the Remote Control for at least 2 seconds.

2 Turn the **rotary encoder** of the Remote Display to the left or the right, or press the ▲ or ▼ button of the Remote Control to select "SCR."

3 Press the ◄◄ or ►► button of the Remote Display or I◄◄ or ►►I button of the Remote Control to select "SCR OFF" or "SCR ON."

- SCR ON: channel name, category, artist and song title (XM tuner), and CD text information, text information of folder and file names, and ID3 tags are scrolled automatically.
- SCR OFF: the display is scrolled once when a disc is loaded or when a track is changed, etc. (However, the display is scrolled only when a name exceeds 8 characters).

4 When the setting is completed, press the **SETUP** button of the Remote Display or the Remote Control to return to the normal mode.

NOTE

Channel name, category, artist and song title (XM tuner), CD text names, folder names, file names or ID3 tag displays exceeding 8 characters will be scrolled. The disc titles input manually (refer to page 9) cannot be scrolled.

Setting the AUX Mode (V-Link)

You can input TV/video sound by connecting an optional Versatile Link Terminal (KCA-410C) to this component.

1 Press and hold the **SETUP** button of the Remote Display or the Remote Control for at least 2 seconds.

2 Turn the **rotary encoder** of the Remote Display, or press the ▲ or ▼ button of the Remote Control to select "AUX."

3 Press the ◄◄ or ►► button of the Remote Display, or the I◄◄ or ►►I button of the Remote Control to select "AUX ON."

OFF:
You cannot select an external input sound source.

ON:
You can select an external input sound source. You can also select an AUX for external input*.

* Turn the rotary encoder of the Remote Display, or press the ▲ or ▼ button of the Remote Control to select your preferred name from AUX, MP3, TV, VCR, and GAME.

AUX
You can select and set a name of external input when Versatile Link Terminal (KCA-410C) is not connected.

A1 AUX / A2 AUX
You can select an AUX NAME when Versatile Link Terminal (KCA-410C) is connected.

NOTE

When connecting the Versatile Link Terminal (KCA-410C), you can set two AUX mode displays.

4 When the setting is completed, press the **SETUP** button of the Remote Display or the Remote Control to return to the normal mode.

5 To adjust the volume, etc., first press the **SOURCE** button of the Remote Display or the Remote Control and select the AUX mode, then make the necessary adjustment.

NOTE

When using the Versatile Link Terminal (KCA-410C), you can connect two external inputs. To select the mode, press the BAND button on the Remote Control.

Demonstration

This unit has a Demonstration feature which simulates the display functions.

1 Press and hold the **SETUP** button of the Remote Display or the Remote Control for at least 2 seconds.

2 Turn the **rotary encoder** of the Remote Display to the left or the right, or press the ▲ or ▼ button of the Remote Control to select "DEMO."

3 Press the ◀◀ or ▶▶ button of the Remote Display or the I◀◀ or ▶▶I button of the Remote Control to turn on or off the DEMO mode.

If no button is pressed for 30 seconds, the DEMO mode activates.

NOTES

- *The initial setting at the factory is "DEMO OFF."*
- *To quit DEMO mode, set to "DEMO OFF."*

4 Press the **SETUP** button of the Remote Display or the Remote Control again to return to normal operation.

Volume Level Setting of External Input (AUX LEVEL)

Select a level between AUX LEVEL 1 to 4 to match the output of an external source with the head unit's internal sources.

1 Press the ∧ or ∨ button of the Remote Display or the ▲ or ▼ button of the Remote Control to set the desired volume level (AUX LEV 1 to 4).

NOTES

- *You can select AUX LEVEL only when AUX is on in "Setting the AUX Mode (V-Link)," on page 6.*
- *If you hear distortion, reduce the volume level setting.*

TIPS

You can set the volume level also from the SETUP mode.

1. *Press and hold the* **SETUP** *button of the Remote Display or the Remote Control for at least 2 seconds.*
2. *Turn the* **rotary encoder** *of the Remote Display, or press the ▲ or ▼ button of the Remote Control to select "AUX LEV".*

   The level is displayed only when the AUX mode is "AUX ON". (See the section of "Setting the AUX Mode" on Page 6.)
3. *Press the ◀◀ or ▶▶ button of the Remote Display, or the I◀◀ or ▶▶I button of the Remote Control to set the desired volume level.*
4. *Press the* **SETUP** *button of the Remote Display or the Remote Control to return to the Normal mode.*

Changer Volume Level Setting (CHG LEVEL)

Select a level between CHG LEVEL 1 to 4 to match the changer's output to the head unit's internal sources.

1 Press and hold the **SETUP** button of the Remote Display or the Remote Control for at least 2 seconds.

2 Turn the **rotary encoder** of the Remote Display, or press the ▲ or ▼ button of the Remote Control to select "CHG LEV."

NOTE

The level is displayed only when a changer is connected.

3 Press the ◀◀ or ▶▶ button of the Remote Display, or the I◀◀ or ▶▶I button of the Remote Control to set the desired volume level.

4 Press the **SETUP** button of the Remote Display or the Remote Control to return to the Normal mode.

NOTE

If you hear distortion, reduce the volume level setting.

XM Level Setting (XM LEVEL)

Select a level between XM LEVEL 1 to 4 to match the output of the XM receiver with the head unit's internal sources.

1 Press and hold the **SETUP** button of the Remote Display or the Remote Control for at least 2 seconds.

2 Turn the **rotary encoder** of the Remote Display, or press the ▲ or ▼ button of the Remote Control to select "XM LEV."

NOTE

The level is displayed only when an XM receiver is connected.

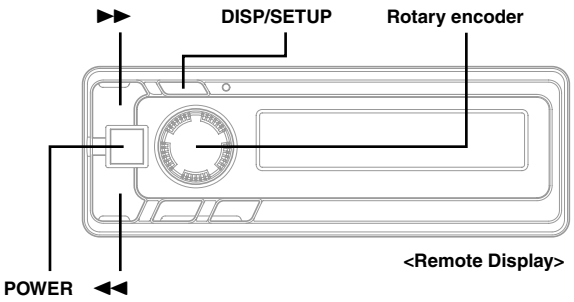
3 Press the ◀◀ or ▶▶ button of the Remote Display, or the I◀◀ or ▶▶I button of the Remote Control to set the desired volume level.

4 Press the **SETUP** button of the Remote Display or the Remote Control to return to the Normal mode.

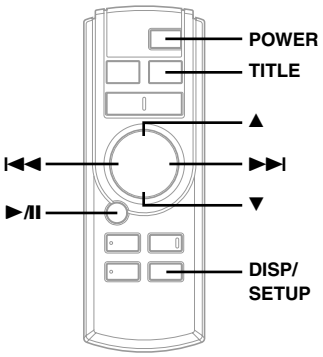
NOTE

If you hear distortion, reduce the volume level setting.

Title/Text Operation



<Remote Display>



<Remote Control>

Displaying the Title/Text

It is possible to display the CD title if the title has been previously inputted. For details, see “Titling Disc” (page 9). Text information, such as the disc name and the track name, will be displayed if playing a CD text compatible disc. It is also possible to display the folder name, the file name, and the ID3 tag, etc. while playing MP3 files.

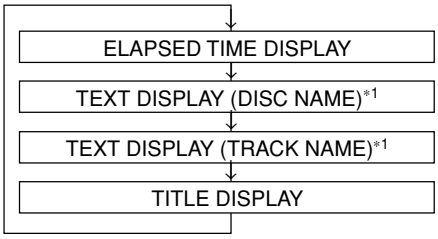
1 Press the **DISP** button of the Remote Display or the Remote Control.
The mode will change every time the button is pressed.

About “Title” and “Text”

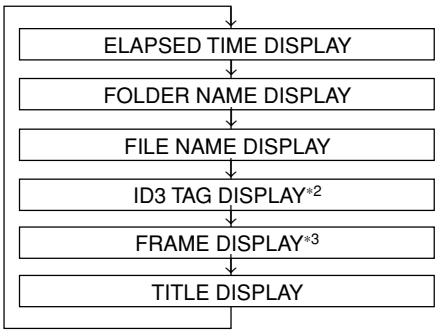
Title: With this device, it is possible to input the CD name (refer to page 9). This inputted name is referred to as a “title.”

Text: Text compatible CDs contain text information such as the disc name and track name. Such text information is referred to as “text.”

CD Changer mode:



MP3 CD Changer mode:



*1 Displayed during playback of a disc with CD Text. “NO TEXT” will be displayed when the CD contains no Text data.

*2 If an MP3 file contains ID3 tag information, all the ID3 tag information is displayed (e.g., track name, artist name, and album name). No other information is displayed.
“NO TAG” will be displayed when an MP3 file contains no ID3 tag information.

*3 The recording sampling rate and bit rate of the MP3 file are displayed.

NOTES

- *Some characters may not be displayed correctly with this device, depending on the character type.*
- *The CD changer must also be CD Text compatible for the Text information to be displayed.*
- *When the Scroll Setting (refer to page 6) is set to “SCR OFF”, press and hold the TITLE button on the Remote Control for at least 2 seconds to scroll the Text information only once (TEXT DISPLAY, FOLDER NAME DISPLAY, FILE NAME DISPLAY or ID3 TAG DISPLAY mode).*
- *“NO SUPPORT” is displayed when the desired text information cannot be displayed on this unit.*
- *If the title was not previously input, “NO TITLE” is displayed.*

Titling Discs

It is possible to title your favorite CD's.

1 Press the **DISP** button of the Remote Display or the Remote Control and select the title display mode. For details, see “Displaying the Title/Text” (page 8).

2 Press and hold the **TITLE** button on the Remote Control for at least 2 seconds. The first character will blink.

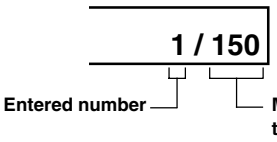
3 Turn the **rotary encoder** of the Remote Display to the left or the right, or press the **I◄◄** or **►►I** button of the Remote Control to select the desired letter/numeral/ symbol available for naming.

NOTE

You can also press the ◄◄ or ►► button of the Remote Display to select the desired letter / numeral / symbol.

4 Press the **rotary encoder** of the Remote Display, or press the **►/II** button of the Remote Control to store the first character. The first character will stop blinking and the display will automatically advance to the next character. When that character begins to blink, you may choose the next letter or symbol of your title.

5 Repeat the steps 3 to 4 above to complete the titling. Turning the **rotary encoder** of the Remote Display, or pressing the **►/II** button of the Remote Control after entering the 8th character, automatically stores the title into memory.
After entering a title, the input number of the title is shown on the display for about 2 seconds.



NOTE

** The maximum of titles available will vary, depending upon the CD Changer being used.*

When entering a title of less than 8 characters (for example, 3 character title):
After entering 3 characters to complete your title, the 4th character space will be blinking. Go to step 6 to complete the title.

6 Press and hold the **TITLE** button of the Remote Control for at least 2 seconds to record the title.

NOTES

- *If you try to store beyond the limit, the display will show “FULL DATA.” At this point, no more titles can be stored.*
- *The CD Changer title length or memory capacity varies depending upon the model being used.*
- *To input a new title, one of the previously inputted titles must first be deleted.*
- *When you want to erase a title, enter the “ SPACE ” symbol into all spaces.*
- *The operations described in steps 3 to 5 must be made within 10 seconds. The input mode will be cancelled if no action is taken for over 10 seconds.*
- *Removing power from the unit may delete these titles. Use caution when manipulating the power cord.*
- *You cannot enter titles for your DVD disc when the unit is connected to the DHA-S680.*

Erasing Disc Title

1 Press and hold the **SETUP** button of the Remote Display or the Remote Control for at least 2 seconds.

2 Turn the **rotary encoder** of the Remote Display, or press the ▲ or ▼ button of the Remote Control to select “TTL DEL”.

3 Press the ◄◄ or ►► button of the Remote Display, or press the **I◄◄** or **►►I** button of the Remote Control repeatedly until the title you want to erase is displayed. The title first memorized on the changer side blinks on the display.

4 Press the **rotary encoder** of the Remote Display, or press the **►/II** button of the Remote Control.

“DEL OK?” message is displayed. Press the **rotary encoder** of the Remote Display, or press the **►/II** button of the Remote Control, and the title is erased.

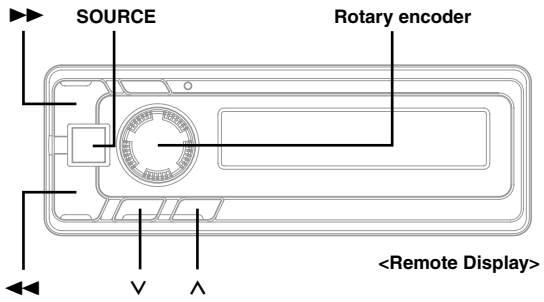
Repeat steps 3 and 4 to erase more titles.

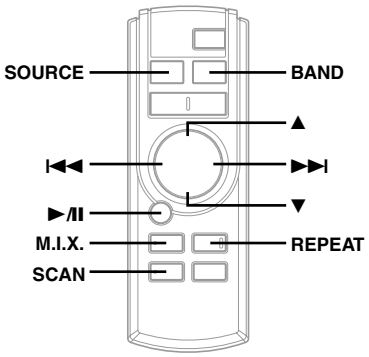
5 Press the **SETUP** button of the Remote Display or the Remote Control to return to the normal mode.

NOTES

- *You cannot erase CD-TEXT.*
- *In the Changer Mode, "TTL DEL" can be selected.*

CD Changer Operation (Optional)





Controlling CD Changer

An optional CD Changer may be connected to the XMA-T200RF if it is Ai-NET compatible. With a CD Changer connected to the Ai-NET input of the XMA-T200RF, the CD Changer will be controllable from the XMA-T200RF. Using the KCA-400C (Multi-Changer Switching device) or the KCA-410C (Versatile Link Terminal) multiple changers can be controlled by the XMA-T200RF.
See the Multi-Changer Selection section on page 11 for selecting the CD Changers.

NOTES

- *The controls on the XMA-T200RF for CD Changer operation are operative only when a CD Changer is connected.*
- *The DVD changer (optional) is controllable from the XMA-T200RF as well as the CD changer.*

1 Press the **SOURCE** button of the Remote Display or the Remote Control to activate the CHANGER mode. Select the FM band.
Tune to the same frequency you selected on the Modulator Unit and adjust for the desired volume level.
The display shows the disc number and track number.

2 Press the ∧ or ∨ button of the Remote Display, or press the ▲ or ▼ button of the Remote Control until your desired disc number appears in the display. The track number will also appear in the display.

To pause playback, press the ►/II button on the Remote Control.
Pressing the ►/II button again will resume playback.

Music Sensor (Skip)

1 Turn the **rotary encoder** of the Remote Display to the left, or press the I◄◄ button of the Remote Control once during CD play to return to the beginning of the current track. If you wish to access the beginning of a track further back, repeatedly press until you reach the desired track.

Turn the **rotary encoder** of the Remote Display to the right, or press the ►►I button of the Remote Control once to advance to the beginning of the next track. If you wish to access the beginning of a track further ahead, press repeatedly until the desired track is reached.

NOTE

The music sensor feature is functional in the play or pause mode.

Fast Forward and Backward

1 Press the ◄◄ or ►► button of the Remote Display, or press and hold the I◄◄ or ►►I button of the Remote Control to quickly move backward or forward until you reach the desired section of the track.

Repeat Play

1 Press the **REPEAT** button of the Remote Control to play back repeatedly the track being played.
The track will be played repeatedly.

The RPT ALL mode is selected, the unit repeatedly plays back all tracks on the disc selected.

⟶ RPT⟶ RPT ALL ⟶ (off) ⟶

Press the **REPEAT** button and select OFF to deactivate the repeat play.

M.I.X. (Random Play)

1 Press the **M.I.X.** button on the Remote Control in the play or pause mode.
The tracks on the disc will be played back in a random sequence. After all the tracks on a disc have finished playing back, the tracks of the next disc will be played back.

If a CD Changer equipped with the ALL M.I.X. function is connected, ALL M.I.X. will also be selectable.
In this mode, the tracks on all the CDs in the current magazine will be included in the random playback sequence.

→ M.I.X. ⟶ ALL M.I.X. → (off) →

To cancel M.I.X. play, press the **M.I.X.** button to turn off the M.I.X.

Scanning Programs

1 Press the **SCAN** button on the Remote Control to activate the Scan mode.
The first 10 seconds of each track will be played back in succession.

To stop scanning, press the **SCAN** button and deactivate the Scan mode.

Multi-Changer Selection

Alpine's Ai-NET system will support up to 6 CD Changers. When operating two or more changers, the KCA-400C (Multi-Changer Switching device) must be used. If you use 1 Switching device, you can connect up to 4 CD Changers. If you use 2 Switching devices, you can connect up to 6 CD Changers. When using KCA-410C (Versatile Link Terminal), you can connect two changers and two external sources (AUX).

1 Press the **SOURCE** button of the Remote Display or the Remote Control to activate the CD Changer mode.

2 Press the **BAND** button on the Remote Control to activate the CD Changer Selection mode.

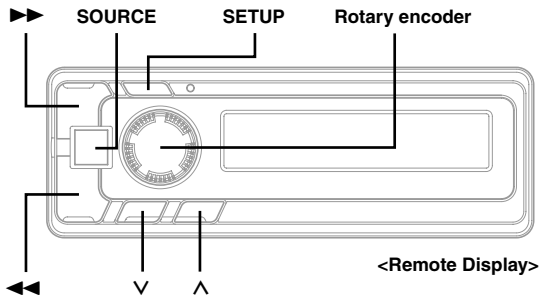
3 Press the **BAND** button on the Remote Control until the desired changer indicator appears on the display.

NOTE
If the selected CD Changer is not connected, the display will show "NO CHG."

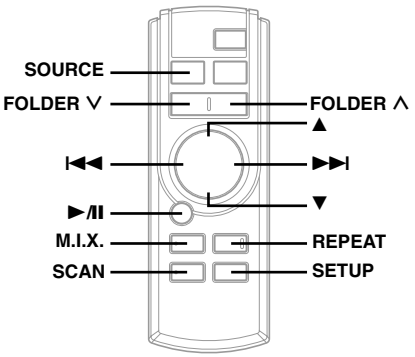
4 To operate the selected changer.

NOTE
For further details about the external input (AUX) when using KCA-410C, see "Setting the AUX Mode (V-Link)" on page 6.

MP3 Changer Operation (Optional)



<Remote Display>



<Remote Control>

Playing MP3 Files

With an MP3 compatible changer connected, you can play CD-ROMs, CD-Rs, and CD-RWs containing MP3 files with this unit.

1 Press the **SOURCE** button of the Remote Display or the Remote Control to switch to the MP3 Changer mode.
The mode will change every time the button is pressed.

2 Press the ∧ or ∨ button of the Remote Display, or press the ▲ or ▼ button of the Remote Control until your desired disc number appears in the display.

To pause playback, press the ►/II button on the Remote Control.
Pressing the ►/II button again will resume playback.

NOTES

- *The unit can play discs containing both audio data and MP3 data.*
- *The MP3 indicator is lit during MP3 playback.*

Music Sensor (Skip)

1 Turn the **rotary encoder** to the left, or press the I◄◄ button of the Remote Control once during CD play to return to the beginning of the current file. If you wish to access the beginning of a track further back, repeatedly press until you reach the desired file.

Turn the **rotary encoder** to the right, or press the ►►I button of the Remote Control once to advance to the beginning of the next file. If you wish to access the beginning of a track further ahead, press repeatedly until the desired file is reached.

NOTES

- *The music sensor feature is functional in the play or pause mode.*
- *Files are played back in their pathname order which was used when they were written to the CD.*

Fast Forward and Backward

1 Press the ◄◄ or ►► button of the Remote Display, or press and hold the I◄◄ or ►►I button of the Remote Control to quickly move backward or forward until you reach the desired section of the file.

Note

There is no audio output during fast forward/backward for MP3 files.

Selecting Folders

1 Press the **FOLDER ∧** or **FOLDER ∨** button on the Remote Control to select the folder.

File Search

You can locate all the files on a disc and play them.

1 Press and hold the **rotary encoder** for at least 2 seconds, or press and hold the ►/II button of the Remote Control for at least 2 seconds during playback. The unit switches to File Search Mode.

2 Turn the **rotary encoder**, or press the I◄◄ or ►►I button of the Remote Control to select the desired file.

Then, if you press the **rotary encoder**, or press the ►/II button of the Remote Control, the selected file starts to play.

NOTE

File Search Mode is automatically canceled if no buttons are pressed within 5 seconds.

Repeat Play

1 Press the **REPEAT** button of the Remote Control to play back repeatedly the file being played.
The file will be played repeatedly.

The RPT ALL mode is selected, the unit repeatedly plays back all files on the disc selected.

→ RPT → RPT ALL → (off) →

Press the **REPEAT** button of the Remote Control and select OFF to deactivate the repeat play.

NOTE
When MP3 FLDR and RPT ALL are in "Setting the Range of MP3 File Selection," files in a folder will be played repeatedly.

M.I.X. (Random Play)

1 Press the **M.I.X.** button on the Remote Control in the play or pause mode.
The files on the disc will be played back in a random sequence.
To cancel M.I.X. play, press the **M.I.X.** button on the Remote Control to turn off the M.I.X.

NOTE
When MP3 FLDR and M.I.X. are set in "Setting the Range of MP3 File Selection," files in a folder will be played in random order. After all the tracks have been played back, play does not shift to the next Folder.

Scanning Programs

1 Press the **SCAN** button on the Remote Control to activate the Scan mode.
The first 10 seconds of each file will be played back in succession.

To stop scanning, press the **SCAN** button on the Remote Control and deactivate the Scan mode.

NOTE
When MP3 FLDR is set in "Setting the Range of MP3 File Selection," the first 10 seconds of each file in a folder will be played back in succession.

Setting the Range of MP3 File Selection

You can set the range of MP3 file selection to "entire disc contents" or "folder contents only."

1 In the MP3 Changer mode, press the **rotary encoder** of the Remote Display to switch to MP3 DISC or MP3 FLDR.

TIPS
You can also set the range in the SETUP mode.

1. *Press and hold the* **SETUP** *button of the Remote Display or the Remote Control for at least 2 seconds.*
2. *Turn the* **rotary encoder** *of the Remote Display, or press the ▲ or ▼ button on the Remote Control to select MP3 DISC or MP3 FLDR.*
3. *Press the ◀◀ or ▶▶ button of the Remote Display, or press the ⏮ or ⏭ button of the Remote Control to toggle the mode between MP3 DISC and MP3 FLDR.*
   - *MP3 DISC : plays all the files on one disc.*
   - *MP3 FLDR : plays files in the selected folder only.*
4. *Press the* **SETUP** *button of the Remote Display or the Remote Control to set the selected mode.*

NOTES
If a changer compatible with MP3 is used, the range of MP3 file selection applies to REPEAT, M.I.X. and SCAN modes only. In normal mode, the unit plays all files on a disc even when you set the range of MP3 selection to "folder contents only."

Playing MP3 Data

You can select either playback only of CD data, or playback of formatted CD data and MP3 files.
When a disc contains CD or the MP3 file data, playback starts from the CD data portion of the disc.

1 Press and hold the **SETUP** button of the Remote Display or the Remote Control for at least 2 seconds.

2 Turn the **rotary encoder** of the Remote Display to the left or the right, or press the ▲ or ▼ button of the Remote Control to select "CD-DA."

3 Press the ◀◀ or ▶▶ button of the Remote Display or ⏮ or ⏭ button of the Remote Control to select "CD-DA" or "CD/MP3."

- CD-DA: Only CD data can be played back.
- CD/MP3: Both CD data and MP3 file tracks can be played back.

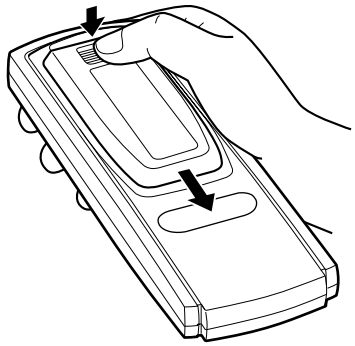
4 When the setting is completed, press the **SETUP** button of the Remote Display or the Remote Control to return to the normal mode.

Remote Control

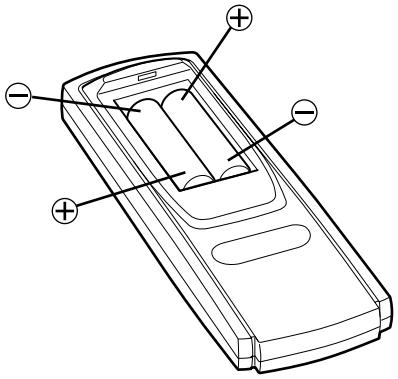
Battery Replacement

Applicable battery: Use two “AAA” sized dry batteries or equivalent.

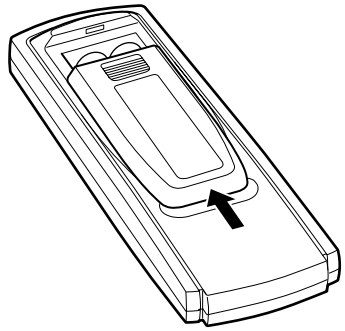
1 Opening the battery cover
Slide out the battery cover while firmly pressing the direction of arrow.

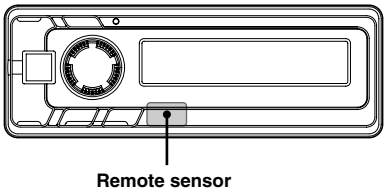


2 Replacing the battery
Put the batteries in the case observing the polarities as illustrated.



3 Closing the cover
Push the cover as illustrated until a click is heard.





Remote sensor

- Point the Remote Control transmitter toward the remote sensor on the Remote Display Unit.

Information

In Case of Difficulty

If you encounter a problem, please turn the power off, then on again. If the unit is still not functioning normally, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.

Basic

No function or display.

- Vehicle's ignition is off.
  - If connected following instructions, the unit will not operate with the vehicle's ignition off.
- Blown fuse.
  - Check the fuse on the battery lead of the unit; replace with the proper value if necessary.
- Internal micro-computer malfunctioned due to interference noise etc.
  - Press the RESET switch with a ballpoint pen or other pointed article.
- No connection of Battery lead.
  - Make sure Battery lead is connected properly.
- No connection of ACC Power lead and Ground lead.
  - Make sure ACC Power lead and Ground lead are connected properly.

No Sound.

- Volume level too low.
  - Turn Volume Control clockwise to desired level.
- No tuning of FM frequency.
  - Tune to the correct frequency.
- No connection of FM modulator and antenna.
  - Make sure the FM modulator is connected to the antenna.
- When the interference with broadcasting stations occurs.
  - Change the oscillator frequency of the FM modulator.

Music skips excessively.

- The CD changer has not been mounted securely.
  - Follow the installation instructions for proper installation.

CD

Changer not functioning.

- Out of operating temperature range +50˚C (+120˚F) for CD.
  - Allow the vehicle's interior (or trunk) temperature to cool.

CD playback sound is wavering.

- Moisture condensation in the CD Module.
  - Allow enough time for the condensation to evaporate (about 1 hour).

Unable to fast forward or backward the CD.

- The CD has been damaged.
  - Eject the CD and discard it; using a damaged CD in your unit can cause damage to the mechanism.

CD playback sound skips due to vibration.

- Improper mounting of the changer.
  - Securely re-mount the changer.
- Disc is very dirty.
  - Clean the disc.
- Disc has scratches.
  - Change the disc.
- The pick-up lens is dirty.
  - Do not use a commercial available lens cleaner disc. Consult your nearest ALPINE dealer.

CD playback sound skips without vibration.

- Dirty or scratched disc.
  - Clean the disc; damaged disc should be replaced.

MP3

MP3 is not played back.

- There was an error in writing the disc.
  - Make sure the format used to write the disc is compatible.

Information

Indication for XM Radio Mode

ANTENNA

- The XM antenna is not connected to the XM radio module.
  - Check whether the XM antenna cable is attached securely to the XM radio module.

UPDATING

- Radio is being updated with latest encryption code.
  - Wait until encryption code is being updated. Channels 0 and 1 should function normally.

NO SIGNL

- XM signal is too weak at the current location.
  - Wait until the car reaches a location with a stronger signal.

LOADING

- Radio is acquiring audio or program information.
  - Wait until the radio has received the information.

OFF AIR

- The channel currently selected has stopped broadcasting.
  - Select another channel.

– – – –

- The user has selected a Channel Number that does not exist or is not subscribed to.
  - The unit will revert back to the previously selected channel.
- There is no artist name/feature, song/program title, or additional information associated with the channel at that time.
  - No action needed.

Indication for CD Changer (Optional)

HI TEMP

- Protective circuit is activated due to high temperature.
  - The indicator will disappear when the temperature returns to within operation range.

ERROR - 01

- Malfunction in the CD Changer.
  - Consult your Alpine dealer. Press the magazine eject button and pull out the magazine.
    Check the indication. Insert the magazine again.
    If the magazine cannot be pulled out, consult your Alpine dealer.
- Magazine ejection not possible.
  - Press the magazine eject button. If the magazine does not eject, consult your Alpine dealer.

ERROR - 02

- A disc is left inside the CD Changer.
  - Press the Eject button to activate the eject function. When the CD Changer finishes the eject function, insert an empty CD magazine into the CD Changer to receive the disc left inside the CD Changer.

NO MAGZN

- No magazine is loaded into the CD Changer.
  - Insert a magazine.

NO DISC

- No indicated disc.
  - Choose another disc.

Specifications

RF MODULATOR SECTION

RF Output Frequency (Selectable)	87.7 – 89.9 MHz
RF Output Voltage	70 dBµV
RF Modulator Input Sensitivity/Impedance	500 mV/10 k Ohms

REMOTE CONTROL

Battery Type	AAA batteries (2 pcs.)
Width	42 mm (1-21/32")
Height	121 mm (4-25/32")
Depth	23 mm (29/32")
Weight	50 g (1.8 oz)

REMOTE DISPLAY UNIT

Width	113 mm (4-7/16")
Height	39.5 mm (1-9/16")
Depth	19 mm (25/32")
Weight	200 g (7 oz)

FM MODULATOR UNIT

Width	130 mm (5-1/8")
Height	35 mm (1-3/8")
Depth	74 mm (2-15/16")
Weight	380 g (13.4 oz)

XM TUNER UNIT

Width	180 mm (7-1/8")
Height	35 mm (1-3/8")
Depth	160 mm (6-1/4")
Weight	812 g (28 oz)

Due to continuous product improvement, specifications and design are subject to change without notice.

Installation and Connections

Before installing or connecting the unit, please read the following and pages 2 of this manual thoroughly for proper use.

⚠ Warning

MAKE THE CORRECT CONNECTIONS.
Failure to make the proper connections may result in fire or product damage.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.
(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.
Failure to do so may result in electric shock or injury due to electrical shorts.

DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS.
Arrange wiring and cables in compliance with the manual to prevent obstructions when driving. Cables or wiring that obstruct or hang up on places such as the steering wheel, gear lever, brake pedals, etc. can be extremely hazardous.

DO NOT SPLICE INTO ELECTRICAL CABLES.
Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.
When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.

DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.
Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN.
Swallowing them may result in serious injury.
If swallowed, consult a physician immediately.

DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR GEARSHIFT.
Doing so may obstruct forward vision or hamper movement etc. and results in serious accident.

DO NOT INSTALL THE REMOTE DISPLAY UNIT NEAR THE PASSENGER SEAT AIR BAG.
If the unit is not installed correctly the air bag may not function correctly and when triggered the air bag may cause the Remote display unit to spring upwards causing an accident and injuries.

DO NOT BLOCK VENTS OR RADIATOR PANELS.
Doing so may cause heat to build up inside and may result in fire.

⚠ Caution

HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.
The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.
Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.
Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST.
Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may result in product failure.

Precautions

- Be sure to disconnect the cable from the (–) battery post before installing your XMA-T200RF. This will reduce any chance of damage to the unit in case of a short-circuit.
- Be sure to connect the color coded leads according to the diagram. Incorrect connections may cause the unit to malfunction or damage to the vehicle's electrical system.
- When making connections to the vehicle's electrical system, be aware of the factory installed components (e.g. on-board computer). Do not tap into these leads to provide power for this unit. When connecting the XMA-T200RF to the fuse box, make sure the fuse for the intended circuit of the XMA-T200RF has the appropriate amperage. Failure to do so may result in damage to the unit and/or the vehicle. When in doubt, consult your ALPINE dealer.

IMPORTANT

Please record the serial number of your unit in the space provided below and keep it as a permanent record. The serial number plate is located on the bottom of the unit.

SERIAL NUMBER:_____
INSTALLATION DATE:_____
INSTALLATION TECHNICIAN:_____
PLACE OF PURCHASE:_____

Installation

Installing the Remote Display Unit

CAUTION:

Do not install the remote display unit near the air-bag of the front passenger's seat.

- Check the installing location.
- Determine the installing location on the dashboard (in the center, and flat position).

• Installation using Velcro tape

- In case of installing the remote display unit with the Velcro™ tape attached, cut the tape into two pieces.

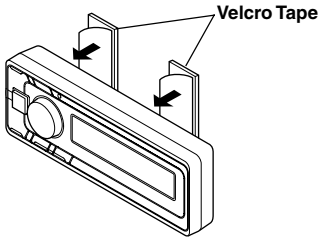
1. Without separating the two pieces of Velcro tape, peel off the paper backing on one side and place on the back of the remote display unit.

NOTE

Take care not to cover the caution label on the remote display unit with the tape.

2. Make sure the location selected is free from moisture or dirt. Peel off the backing paper from the other side of the Velcro tape on the Remote Display.

3. Place the remote display unit on the installing location and push the unit to fix securely.



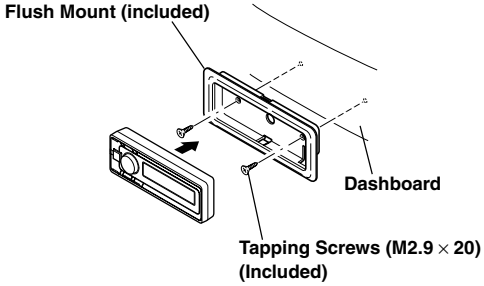
• Installation using flush mount

1. After determining the installing location, install the flush mount with screws (M2.9 x 20).

2. Insert the remote display unit into the flush mount to lock securely.

NOTE

To remove the remote display from flush mount, please use thin plate such as a plastic card to insert to either side of the remote display carefully. Then the remote display will be released.



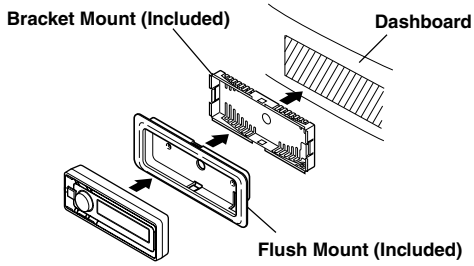
• Installation using flush mount and bracket mount

1. Make a hole to match the external dimensions of bracket mount on the installation location of the dashboard.

2. Insert the remote display unit into the flush mount to lock securely.

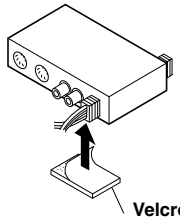
3. Insert the remote display unit and flush mount combined into the bracket mount and fix them.

4. Insert the remote display unit, flush mount and bracket mount combined into the hole made at step 1 and fix them.



Installing the FM Modulator Box

The FM Modulator Box can be mounted to any flat surface using the Velcro tape.



Installing the XM Tuner Box

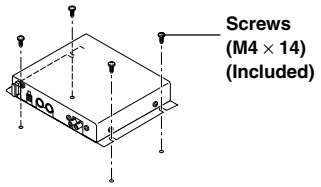
• Install the unit

1. Using the unit as a template, hold it at its mounting location and mark the holes to be drilled. Before drilling, make sure that there are no objects that could be damaged behind the mounting surface.

2. Drill holes and secure the unit with self-tapping screws (M4 x 14) supplied.

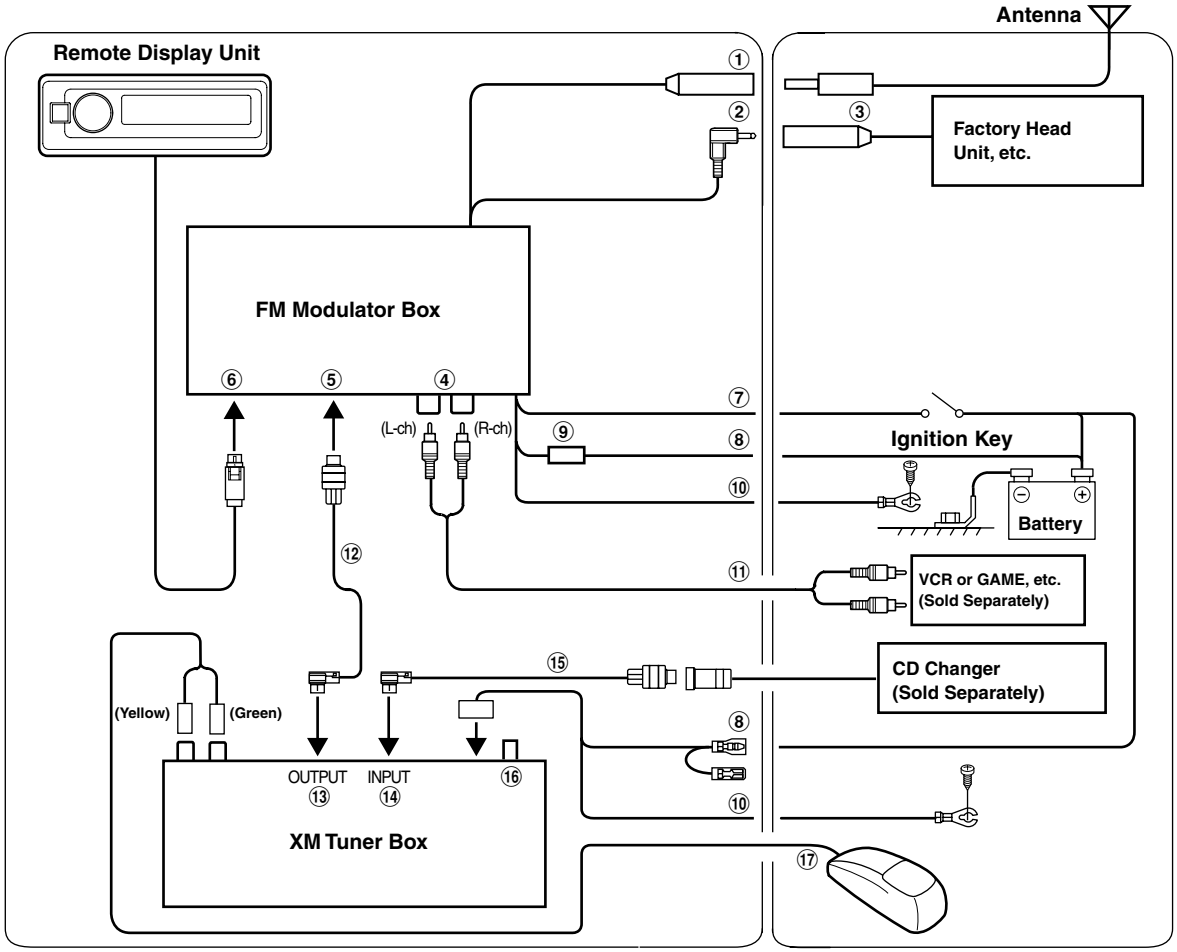
NOTE

An antenna is required for the proper operation of this receiver. This antenna must be purchased separately. The TUA-T020XM receiver can use any antenna that is designed specifically for the XM receiver. Please follow the installation instructions supplied with the antenna.



Installation and Connections

Connections



① Antenna Receptacle
② FM Modulator Antenna Cable
③ Head Unit's Antenna Receptacle
④ AUX Input Terminals
⑤ Ai-NET Connector
⑥ Remote Display Connector
⑦ Switched Power Lead (Ignition) (Red)
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+)12V only when the ignition is turned on or in the accessory position.
⑧ Battery Lead (Yellow)
Connect this lead to the positive (+) post of the vehicle's battery.
⑨ Fuse Holder (5A)
⑩ Ground Lead (Black)
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.
⑪ RCA Extension Cable (Sold Separately)
⑫ Ai-NET Cable (Included)
⑬ Ai-NET (OUTPUT) Connector
⑭ Ai-NET (INPUT) Connector
Connect this to the output or input connector of other product (CD Changer, Versatile Link Terminal) equipped with Ai-NET.
⑮ Ai-NET Cable (Included with CD Changer)
⑯ Fuse Holder (7.5A)
⑰ Antenna (Sold Separately)

To prevent external noise from entering the audio system.
- Locate the unit and route the leads at least 10 cm away from the car harness.
- Keep the battery power leads as far away from other leads as possible.
- Connect the ground lead securely to a bare metal spot (remove any paint, dirt or grease if necessary) of the car chassis.
- If you add an optional noise suppressor, connect it as far away from the unit as possible. Your Alpine dealer carries various noise suppressors, contact them for further information.
- Your Alpine dealer knows best about noise prevention measures so consult your dealer for further information.

LIMITED WARRANTY

ALPINE ELECTRONICS OF AMERICA, INC. AND ALPINE OF CANADA INC. ("Alpine"), are dedicated to quality craftsmanship and are pleased to offer this Warranty. We suggest that you read it thoroughly. Should you have any questions, please contact your Dealer or Alpine at one of the telephone numbers listed below.

●PRODUCTS COVERED:

This Warranty covers Car Audio/Visual Products and Related Accessories ("the product"). Products purchased in the Canada are covered only in the Canada. Products purchased in the U.S.A. are covered only in the U.S.A.

●LENGTH OF WARRANTY:

This Warranty is in effect for one year from the date of the first consumer purchase.

●LIFETIME TAPE HEAD WARRANTY:

All Alpine Car Audio analog tape heads excluding Video tape heads are warranted for life against manufacturing defects causing failure.

●WHO IS COVERED:

This Warranty only covers the original purchaser of the product, who must reside in the United States, Puerto Rico or Canada.

●WHAT IS COVERED:

This Warranty covers defects in materials or workmanship (parts and labor) in the product.

●WHAT IS NOT COVERED:

This Warranty does not cover the following:

① Damage occurring during shipment of the product to Alpine for repair (claims must be presented to the carrier).
② Damage caused by accident, abuse, negligence, misuse, improper connections, improper operation or failure to follow instructions contained in the Owner's manual.
③ Damage caused by act of God, including without limitation, earthquake, fire, flood, storms or other acts of nature.
④ Any cost or expense related to the removal or reinstallation of the product.
⑤ Service performed by an unauthorized person, company or association.
⑥ Any product which has the serial number defaced, altered or removed.
⑦ Any product which has been adjusted, altered or modified without Alpine's consent.
⑧ Any product not distributed by Alpine within the United States, Puerto Rico or Canada.
⑨ Any product not purchased from an Authorized Alpine Dealer.
⑩ Any product that has been determined to contain an excessive amount of dust or dirt and any product that contains other contaminants including liquid or foreign objects.

●HOW TO OBTAIN WARRANTY SERVICE:

① You are responsible for delivery of the product to an Authorized Alpine Service Center or Alpine for repair and for payment of any initial shipping charges. Alpine will, at its option, repair or replace the product with a new or reconditioned product without charge. If the repairs are covered by the warranty, and if the product was shipped to an Authorized Alpine Service Center or Alpine, Alpine will pay the return shipping charges.
② You should provide a detailed description of the problem(s) for which service is required.
③ You must supply proof of your purchase of the product.
④ You must package the product securely to avoid damage during shipment.

●HOW WE LIMIT IMPLIED WARRANTIES:

ANY IMPLIED WARRANTIES INCLUDING FITNESS FOR USE AND MERCHANTABILITY ARE LIMITED IN DURATION TO THE PERIOD OF THE EXPRESS WARRANTY SET FORTH ABOVE AND NO PERSON IS AUTHORIZED TO ASSUME FOR ALPINE ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT.

●HOW WE EXCLUDE CERTAIN DAMAGES:

ALPINE EXPRESSLY DISCLAIMS LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES CAUSED BY THE PRODUCT. THE TERM "INCIDENTAL DAMAGES" REFERS TO EXPENSES OF TRANSPORTING THE PRODUCT TO THE ALPINE SERVICE CENTER, LOSS OF THE ORIGINAL PURCHASER'S TIME, LOSS OF THE USE OF THE PRODUCT, BUS FARES, CAR RENTALS OR OTHERS COSTS RELATING TO THE CARE AND CUSTODY OF THE PRODUCT. THE TERM "CONSEQUENTIAL DAMAGES" REFERS TO THE COST OF REPAIRING OR REPLACING OTHER PROPERTY WHICH IS DAMAGED WHEN THIS PRODUCT DOES NOT WORK PROPERLY. THE REMEDIES PROVIDED UNDER THIS WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS.

●HOW STATE/PROVINCIAL LAW RELATES TO THE WARRANTY:

This Warranty gives you specific legal rights, and you may also have other rights which vary form state to state and province to province. In addition, some states/provinces do not allow limitations on how long an implied warranty lasts, and some do not allow the exclusion or limitation of incidental or consequential damages. Accordingly, limitations as to these matters contained herein may not apply to you.

●IN CANADA ONLY:

This Warranty is not valid unless your Alpine car audio product has been installed in your vehicle by an Authorized Installation Center, and this warranty stamped upon installation by the installation center.

●HOW TO CONTACT CUSTOMER SERVICE:

Should the product require service, please call the following number for your nearest Authorized Alpine Service Center.

U.S.A.	**1-800-ALPINE-1 (1-800-257-4631)**
CANADA	**1-800-ALPINE-1 (1-800-257-4631)**

Alpine Electronics of America, Inc., 19145 Gramercy Place, Torrance, California 90501, U.S.A.
Alpine Electronics of Canada, Inc., Suite 203, 7300 Warden Ave. Markham, Ontario, L3R 9Z6, Canada